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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/250,083

DATE: 08/15/2000
TIME: 11:34:23

Input Set : A:\seqlist.txt
Output Set: N:\CRF3\08152000\I250083.raw

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AUG 22 2000

EXCHG... 1600/2000

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3 <110> APPLICANT: Dessen, Andrea
4 Somers, William S.
5 Stahl, Mark L.
6 Seehra, Jasbir S.
8 <120> TITLE OF INVENTION: CRYSTAL STRUCTURE OF CPLA2, AND METHODS OF IDENTIFYING
9 AGONISTS AND ANTAGONISTS USING SAME
11 <130> FILE REFERENCE: GFN-5341
13 <140> CURRENT APPLICATION NUMBER: 09/250,083
14 <141> CURRENT FILING DATE: 1999-02-15
16 <160> NUMBER OF SEQ ID NOS: 2
18 <170> SOFTWARE: PatentIn Ver. 2.0
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 2247
22 <212> TYPE: DNA
23 <213> ORGANISM: Homo sapiens
25 <220> FEATURE:
26 <221> NAME/KEY: CDS
27 <222> LOCATION: (1)..(2247)
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31 Met Ser Phe Ile Asp Pro Tyr Gln His Ile Ile Val Glu His Gln Tyr
32 1 5 10 15
34 tcc cac aag ttt acg gta gtg tta cgt gcc acc aaa gtg aca aag 96
35 Ser His Lys Phe Thr Val Val Val Leu Arg Ala Thr Lys Val Thr Lys
36 20 25 30
38 ggg gcc ttt ggt gac atg ctt gat act cca gat ccc tat gtg gaa ctt 144
39 Gly Ala Phe Gly Asp Met Leu Asp Thr Pro Asp Pro Tyr Val Glu Leu
40 35 40 45
42 ttt atc tct aca acc cct gac agc agg aag aga aca aga cat ttc aat 192
43 Phe Ile Ser Thr Thr Pro Asp Ser Arg Lys Arg Thr Arg His Phe Asn
44 50 55 60
46 aat gac ata aac cct gtg tgg aat gag acc ttt gaa ttt att ttg gat 240
47 Asn Asp Ile Asn Pro Val Trp Asn Glu Thr Phe Glu Phe Ile Leu Asp
48 65 70 75 80
50 cct aat cag gaa aat gtt ttg gag att acg tta atg gat gcc aat tat 288
51 Pro Asn Gln Glu Asn Val Leu Glu Ile Thr Leu Met Asp Ala Asn Tyr
52 85 90 95
54 gtc atg gat gaa act cta ggg aca gca aca ttt act gta tct tct atg 336
55 Val Met Asp Glu Thr Leu Gly Thr Ala Thr Phe Thr Val Ser Ser Met
56 100 105 110
58 aag gtg gga gaa aag aaa gaa gtt cct ttt att ttc aac caa gtc act 384
59 Lys Val Gly Glu Lys Lys Glu Val Pro Phe Ile Phe Asn Gln Val Thr
60 115 120 125
62 gaa atg gtt cta gaa atg tct ctt gaa gtt tgc tca tgc cca gac cta 432
63 Glu Met Val Leu Glu Met Ser Leu Glu Val Cys Ser Cys Pro Asp Leu
64 130 135 140
66 cga ttt agt atg gct ctg tgt gat cag gag aag act ttc aga caa cag 480
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67 Arg Phe Ser Met Ala Leu Cys Asp Gln Glu Lys Thr Phe Arg Gln Gln
68 145 150 155 160
70 aga aaa gaa cac ata agg gag agc atg aag aaa ctc ttg ggt cca aag 528
71 Arg Lys Glu His Ile Arg Glu Ser Met Lys Lys Leu Leu Gly Pro Lys
72 165 170 175
74 aat agt gaa gga ttg cat tct gca cgt gat gtg cct gtg gta gcc ata 576
75 Asn Ser Glu Gly Leu His Ser Ala Arg Asp Val Pro Val Val Ala Ile
76 180 185 190
78 ttg ggt tca ggt ggg ggt ttc cga gcc atg gtg gga ttc tct ggt gtg 624
79 Leu Gly Ser Gly Gly Gly Phe Arg Ala Met Val Gly Phe Ser Gly Val
80 195 200 205
82 atg aag gca tta tac gaa tca gga att ctg gat tgt gct acc tac gtt 672
83 Met Lys Ala Leu Tyr Glu Ser Gly Ile Leu Asp Cys Ala Thr Tyr Val
84 210 215 220
86 gct ggt ctt tct ggc tcc acc tgg tat atg tca acc ttg tat tct cac 720
87 Ala Gly Leu Ser Gly Ser Thr Trp Tyr Met Ser Thr Leu Tyr Ser His
88 225 230 235 240
90 cct gat ttt cca gag aaa ggg cca gag gag att aat gaa gaa cta atg 768
91 Pro Asp Phe Pro Glu Lys Gly Pro Glu Glu Ile Asn Glu Glu Leu Met
92 245 250 255
94 aaa aat gtt agc cac aat ccc ctt tta ctt ctc aca cca cag aaa gtt 816
95 Lys Asn Val Ser His Asn Pro Leu Leu Leu Leu Thr Pro Gln Lys Val
96 260 265 270
98 aaa aga tat gtt gag tct tta tgg aag aag aaa agc tct gga caa cct 864
99 Lys Arg Tyr Val Glu Ser Leu Trp Lys Lys Lys Ser Ser Gly Gln Pro
100 275 280 285
102 gtc acc ttt act gat atc ttt ggg atg tta ata gga gaa aca cta att 912
103 Val Thr Phe Thr Asp Ile Phe Gly Met Leu Ile Gly Glu Thr Leu Ile
104 290 295 300
106 cat aat aga atg aat act act ctg agc agt ttg aag gaa aaa gtt aat 960
107 His Asn Arg Met Asn Thr Thr Leu Ser Ser Leu Lys Glu Lys Val Asn
108 305 310 315 320
110 act gca caa tgc cct tta cct ctt ttc acc tgt ctt cat gtc aaa cct 1008
111 Thr Ala Gln Cys Pro Leu Pro Leu Phe Thr Cys Leu His Val Lys Pro
112 325 330 335
114 gac gtt tca gag ctg atg ttt gca gat tgg gtt gaa ttt agt cca tac 1056
115 Asp Val Ser Glu Leu Met Phe Ala Asp Trp Val Glu Phe Ser Pro Tyr
116 340 345 350
118 gaa att ggc atg gct aaa tat ggt act ttt atg gct ccc gac tta ttt 1104
119 Glu Ile Gly Met Ala Lys Tyr Gly Thr Phe Met Ala Pro Asp Leu Phe
120 355 360 365
122 gga agc aaa ttt ttt atg gga aca gtc gtt aag aag tat gaa gaa aac 1152
123 Gly Ser Lys Phe Phe Met Gly Thr Val Val Lys Lys Tyr Glu Glu Asn
124 370 375 380
126 ccc ttg cat ttc tta atg ggt gtc tgg ggc agt gcc ttt tcc ata ttg 1200
127 Pro Leu His Phe Leu Met Gly Val Trp Gly Ser Ala Phe Ser Ile Leu
128 385 390 395 400
130 ttc aac aga gtt ttg ggc gtt tct ggt tca caa agc aga ggc tcc aca 1248
131 Phe Asn Arg Val Leu Gly Val Ser Gly Ser Gln Ser Arg Gly Ser Thr

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| | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 132 | | 405 | | 410 | | 415 | | |
| 134 | atg | gag | gaa | gaa | tta | gaa | aat | att |
| 135 | Met | Glu | Glu | Glu | Leu | Glu | Asn | Ile |
| 136 | | | | 420 | | 425 | | 430 |
| 138 | gat | agc | tcg | gac | agt | gat | gat | gaa |
| 139 | Asp | Ser | Ser | Asp | Ser | Asp | Asp | Glu |
| 140 | | | 435 | | | 440 | | 445 |
| 142 | aat | gaa | gat | gct | gga | agt | gac | tat |
| 143 | Asn | Glu | Asp | Ala | Gly | Ser | Asp | Tyr |
| 144 | | 450 | | | 455 | | | 460 |
| 146 | att | cat | cgt | atg | ata | atg | gcc | ttg |
| 147 | Ile | His | Arg | Met | Ile | Met | Ala | Leu |
| 148 | 465 | | | 470 | | 475 | | 480 |
| 150 | acc | aga | gaa | gga | cgt | gct | ggg | aag |
| 151 | Thr | Arg | Glu | Gly | Arg | Ala | Gly | Lys |
| 152 | | | 485 | | | 490 | | 495 |
| 154 | aat | ctc | aat | aca | tct | tat | cca | ctg |
| 155 | Asn | Leu | Asn | Thr | Ser | Tyr | Pro | Leu |
| 156 | | | 500 | | | 505 | | 510 |
| 158 | cag | gac | tcc | ttt | gat | gat | gaa | ctg |
| 159 | Gln | Asp | Ser | Phe | Asp | Asp | Asp | Glu |
| 160 | | 515 | | | 520 | | | 525 |
| 162 | gat | gaa | ttt | gag | cga | ata | tat | gag |
| 163 | Asp | Glu | Phe | Glu | Arg | Ile | Tyr | Glu |
| 164 | | 530 | | | 535 | | | 540 |
| 166 | att | cat | gta | gtg | gac | agt | ggg | ctc |
| 167 | Ile | His | Val | Val | Asp | Ser | Gly | Leu |
| 168 | 545 | | | 550 | | 555 | | 560 |
| 170 | ata | ctg | aga | cct | cag | aga | ggg | gtt |
| 171 | Ile | Leu | Arg | Pro | Gln | Arg | Gly | Val |
| 172 | | | 565 | | | 570 | | 575 |
| 174 | tct | gca | agg | cca | agt | gac | tct | agt |
| 175 | Ser | Ala | Arg | Pro | Ser | Asp | Ser | Ser |
| 176 | | | 580 | | | 585 | | 590 |
| 178 | gca | gaa | aag | tgg | gct | aaa | atg | aac |
| 179 | Ala | Glu | Lys | Trp | Ala | Lys | Met | Asn |
| 180 | | 595 | | | 600 | | | 605 |
| 182 | cct | tat | gtg | ttt | gat | cgg | gaa | ggg |
| 183 | Pro | Tyr | Val | Phe | Asp | Arg | Glu | Gly |
| 184 | | 610 | | | 615 | | | 620 |
| 186 | ccc | aag | aat | cct | gat | atg | gag | aaa |
| 187 | Pro | Lys | Asn | Pro | Asp | Met | Glu | Lys |
| 188 | 625 | | | 630 | | 635 | | 640 |
| 190 | gtt | ctg | gcc | aac | atc | aac | ttc | aga |
| 191 | Val | Leu | Ala | Asn | Ile | Asn | Phe | Arg |
| 192 | | | 645 | | | 650 | | 655 |
| 194 | agg | gaa | act | gag | gaa | gag | aaa | gaa |
| 195 | Arg | Glu | Thr | Glu | Glu | Lys | Glu | Ile |
| 196 | | 660 | | | 665 | | | 670 |

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198 gac cca gaa tca cca ttt tca acc ttc aat ttt caa tat cca aat caa 2064
199 Asp Pro Glu Ser Pro Phe Ser Thr Phe Asn Phe Gln Tyr Pro Asn Gln
200      675      680      685
202 gca ttc aaa aga cta cat gat ctt atg cac ttc aat act ctg aac aac 2112
203 Ala Phe Lys Arg Leu His Asp Leu Met His Phe Asn Thr Leu Asn Asn
204      690      695      700
206 att gat gtg ata aaa gaa gcc atg gtt gaa agc att gaa tat aga aga 2160
207 Ile Asp Val Ile Lys Glu Ala Met Val Glu Ser Ile Glu Tyr Arg Arg
208 705      710      715      720
210 cag aat cca tct cgt tgc tct gtt tcc ctt agt aat gtt gag gca aga 2208
211 Gln Asn Pro Ser Arg Cys Ser Val Ser Leu Ser Asn Val Glu Ala Arg
212      725      730      735
214 aga ttt ttc aac aag gag ttt cta agt aaa ccc aaa gca 2247
215 Arg Phe Phe Asn Lys Glu Phe Leu Ser Lys Pro Lys Ala
216      740      745
219 <210> SEQ ID NO: 2
220 <211> LENGTH: 5
221 <212> TYPE: PRT
222 <213> ORGANISM: Homo sapiens
224 <400> SEQUENCE: 2
225 Gly Leu Ser Gly Ser
226 1 5

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VERIFICATION SUMMARY

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Input Set : A:\seqlist.txt

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